L Number 78		Search Text	DB	Time stamp
		(6268685.pn. 6018216.pn. 5493167.pn.	ŬSPAT;	2003/10/04 20:33
;	- 1	4196368.pn.) and (gas)	US-PGPUB;	1
l i			EPO; JPO;	
1 1			IBM_TDB	j ı
! 79	9 1	candolumin\$8	USPAT;	2003/10/04 18:25
1	1		US-PGPUB;	į į
			EPO; JPO;	i l
'	i		DERWENT;	. 1
80	13	(US-5051648-\$ or US-6469426-\$ or	IBM_TDB USPAT;	2003/10/04 18:26
	15	US-4176293-\$ or US-5670840-\$ or	US-PGPUB	2003/10/04 10:20
1		US-4032809-\$ or US-4539505-\$ or	100 10102	į '
		US-4703220-\$ or US-6268685-\$ or		i
1		US-6018216-\$ or US-6611101-\$ or	•	1
1	ı	US-6508573-\$ or US-5969476-\$).did. or		
1		(US-20020057058-\$).did.		
1 81	19	(US-1252372-\$ or US-2671873-\$ or	USOCR	2003/10/04 18:25
i i		US-2333052-\$ or US-1910778-\$ or US-1749136-\$ or US-1559381-\$ or	İ	
1 .	i	US-0844213-\$ or US-2780746-\$ or	•	i !
. !	!	US-2721289-\$ or US-2171359-\$ or	1	,
! [I	US-1406645-\$ or US-1425967-\$ or	•	i
· ·		US-2007926-\$ or US-1956598-\$ or		'
1		US-2007945-\$ or US-2170683-\$ or		;
j I		US-2714683-\$ or US-1975499-\$ or		
		US-2121589-\$).did.	1	
82	1	((US-5051648-\$ or US-6469426-\$ or	USPAT;	2003/10/04 18:26
. i	1	US-4176293-\$ or US-5670840-\$ or US-4032809-\$ or US-4539505-\$ or	US-PGPUB	;
į i	ļ.	US-4703220-\$ or US-6268685-\$ or		1
i i		US-6018216-\$ or US-6611101-\$ or		. !
'		US-6508573-\$ or US-5969476-\$).did. or	1	ļ ,
į !	l	(US-20020057058-\$).did.) and color adj		i '
	:	temperature adj conversion	1	1
83	428	incandescent with lamp and halogen same	USPAT;	2003/10/04 18:27
. i	I	(bromide iodide bromine iodine)	US-PGPUB;	
į ,	,		EPO; JPO;	
Į i	ļ		DERWENT; IBM TDB	
184 1	364	incandescent with lamp and halogen same	USPAT	2003/10/04 18:28
1 .		(bromide iodide bromine iodine)	1	1
85	122		USPAT	2003/10/04 18:28
1		same (bromide iodide bromine iodine)	j	i
, 86	122	incandescent with lamp.ab.ti. and halogen	USPAT	2003/10/04 18:32
1 0 7	4.4	same (bromide iodide bromine iodine)	Lucata	
1 87 i	3.1	incandescent with lamp.ab,ti, and halogen	USPAT	2003/10/04 18:38
į l	İ	same (bromide iodide bromine iodine) and filament near5 evaporation	į	
188	11 .	incandescent with lamp.ab, ti. and halogen	USPAT	2003/10/04 18:53
1	** 1	adj gas with (iodide bromide iodine	1 351111	1
<u>'</u>	!	bromine)	1	· · · · · · · · · · · · · · · · · · ·
¹ 89	1	incandescent with lamp.ab, ti. and halogen	USPAT	2003/10/04 18:53
ι :		adj gas with (iodide bromide iodine	1	i
1 00		bromine) same attack	1	1
90	1	incandescent with lamp.ab, ti. and halogen	USPAT;	2003/10/04 18:54
į	l	adj gas same (iodide bromide iodine bromine) same filament near5 evaporat\$4	EPO; JPO;	· i
'	:	promine) same illament nears evaporat\$4	DERWENT; IBM TDB	i .
1 91	30 .	incandescent with lamp.ab,ti. and halogen	USPAT;	i 2003/10/04 19:16
ı	υŭ	same filament near5 evaporat\$4	EPO; JPO;	,
	ı	•	DERWENT;	ļ ,
; I	!		IBM_TDB	
ļ 92 г	0 1	incandescent with lamp.ab,ti. and halogen	USPAT;	2003/10/04 19:17
ι .	!	and HBr adj gas	EPO; JPO;	i ·
: i			DERWENT;	
! i ! :			'IBM_TDB	!
: ! : i	^ '	incanded ont with lamp ab ti and UDdi	. HCDAT.	2002/10/04 10-17
93	0	incandescent with lamp.ab,ti. and HBr adj	USPAT;	2003/10/04 19:17
: ! ! ! 93 !	0 _i	incandescent with lamp.ab,ti. and HBr adj gas	USPAT; EPO; JPO; DERWENT;	2003/10/04 19:17

Search History 10/4/03 8:36:36 PM Page 1 C:\APPS\east\workspaces\10069140.wsp

94	9	incandescent with lamp.ab, ti. and	USPAT;	2003/10/04 19:36
ļ.		dibromomethane	EPO; JPO;	1
i			DERWENT;	'
	_		IBM_TDB	
95	2	6268685.pn.	USPĀT;	2003/10/04 19:36
1			EPO; JPO;	1
1			DERWENT;	
! 96	1	6060605	IBM_TDB	·
, 96	1	6268685.pn. and halogen	USPAT;	2003/10/04 19:36
			EPO; JPO;	j '
;			DERWENT;	
134	0	: 6018216.URPN.	'IBM_TDB USPAT	2003/10/04 20:25
135		("1749136" "3973155" "4539505").PN.	USPAT	2003/10/04 20:25
136		6268685.URPN.	USPAT	2003/10/04 20:23
137		("2859369" "4016446" "4017758"	USPAT	2003/10/04 20:29
,		"4160929" "4229066" "4346324"	j	2003/10/04 20:29
,		"4366407" "4532073" "4535269"	!	1
		"4539505" "4588923" "4652789"		
,		"4663557").PN.	İ	:
138	4	, filament same (tantalum rhenium niobium	USPAT;	2003/10/04 20:35
i '		zirconium) near2 carbide same (brilliance	US-PGPUB;	
· .		emit emission emitted emitting emit\$9)	EPO; JPO;	İ
, !		1	IBM_TDB	1
I -	0	ralf-riebel.in.	USPĀT;	2003/07/06 17:40
			US-PGPUB;	
1			EPO; JPO;	
į ,]	DERWENT;	
.		:	'IBM_TDB	1
<u>-</u> .	4	ralf and riebel	USPAT;	2003/07/06 17:54
		i	US-PGPUB;	j
ļ		1	EPO; JPO;	
1			DERWENT;	1
! [E 2.0	212 (570	IBM_TDB	. 0002/02/06 10 04
		313/578 313/629	USPAT	2003/07/06 18:04
1.2		313/243	USPAT USPAT	2003/07/06 18:06 2003/07/06 18:09
'_ I		313/378	USPAT	2003/07/06 18:30
		arnold-jorg.in.	USPAT	2003/07/07 17:28
!	133		USPAT	2003/07/06 18:43
i -		313/\$	USPAT	2003/07/06 18:43
! _		313/\$ and (rhenium niobium tantalum	USPAT	2003/07/08 10:30
1		zirconium) adj carbide and lamp	1	
- !	32	313/\$ and (rhenium niobium tantalum	USPAT	2003/07/07 17:38
ļ ₁	!	zirconium) adj carbide and lamp and	T	
į	ĺ	(heating heater heat)	İ	
-	11	313/\$ and (rhenium niobium tantalum	USPAT	2003/07/07 17:37
,	1	zirconium) adj carbide and lamp and	i	
<u>.</u>	'	incandescent	1	' !
: - '		313/\$ and (rhenium niobium tantalum	USPAT	2003/07/06 19:12
į i	!	zirconium) adj carbide and lamp and	İ	•
: !	_ 1	incandescent same (heat heater heating)	i	1 :
i -		("1749136" "3973155" "4539505").PN.	USPAT	2003/07/06 19:06
! -	0	6018216.URPN.	USPAT	2003/07/06 19:08
, I		6018216.pn.	USPAT	2003/07/06 19:12
\ _ '	352	6018216.pn. and bulb	USPAT	2003/07/06 19:12
, i	352 j	(313/15).CCLS.	USPAT;	2003/07/07 10:57
1_ !	76	(313/591).CCLS.	US-PGPUB	2003/07/07 11:00
	, o	(313/391).0003.	'USPAT;	2003/07/07 11:00
! _	1541	((313/15) or (313/315) or (313/578)).CCLS.	USPAT;	2003/10/04 17:39
	10.11	((013/13/ 01 (013/313) 01 (313/3/6)).CCb5.	US-PGPUB	2003/10/04 17:39
1_ !	3 '	("1749136" "3973155" "4539505").PN.	USPAT	2003/07/07 12:51
. -	_	("candoluminescent.ab,ti.").PN.	USPAT;	2003/07/07 12:51
1 1	, i	,	US-PGPUB;	2003/07/07 12:52 !
1 :	ı		EPO; JPO;	į
'	!		DERWENT;	
			IBM TDB	į
	'			

·;	7 cando	oluminescent.ab, ti.	. <u> </u>		[2003/07/07	14:50
l !	1) 	US-PGPUB; EPO; JPO; DERWENT;	<u> </u>	Ï
l - i	2 62682 :	285.pn.	! ;	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/07/07	12:56
i -	2 62682	286.pn.	! !	DERWENT; IBM_TDB USPAT; US-PGPUB;	2003/07/07	12:56
I : _	 	685.pn.	: i	EPO; JPO; DERWENT; IBM_TDB USPAT;	 _{2003/07/07}	12:56
_	j 1 60182	216.pn.	! 	US-PGPUB; EPO; JPO; IBM_TDB USPAT;	2003/07/07	13:33 j
-	1 60182	216.pn. and brilliant\$3		US-PGPUB; EPO; JPO; IBM_TDB USPAT;	2003/07/07	13:35
1	1 60182	216.pn. and radiate	 	US-PGPUB; EPO; JPO; IBM_TDB USPAT;	 2003/07/07	13:36
! 	İ	•	radiate)	US-PGPUB; EPO; JPO; IBM_TDB	2003/07/07	
j	: 	216.pn. and (extreme\$3 :	radiate) :	USPAT; US-PGPUB; EPO; JPO; IBM_TDB		:
	1 60182	216.pn. and (cylind\$6)	İ	USPAT; US-PGPUB; EPO; JPO; IBM TDB	2003/07/07	13:48
- - 		216.pn. and (tungsten r onium niobium)	henium tantalum ' !	USPĀT; US-PGPUB; EPO; JPO;	2003/07/07	13:54
<u> </u>	1 60182	216.pn. and bulb same (reflect\$5)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/07/07	13:56
1 -	1 60182	216.pn. and gas	i i	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/07/07	14:00
-	1 60182	216.pn. and series	ļ	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/07/07	14:18
! -	1 62686	685.pn.	į	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/07/07	14:56
: <u> </u>	1 ' 62686 	685.pn. and candolumine	scen\$5	IBM_TDB USPAT; US-PGPUB;	 2003/07/07 	14:22
_ -		oluminescent.bi. and (lace).ab,ti.	amp light adj 	EPO; JPO; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2003/07/07	14:51
:	 i		·	DERWENT; IBM TDB	· · I	i

r	į ——	_1 ī	candoluminescent.bi. and (lamp light adj	USPAT;	2003/07/07 14:51
ļ	i		source).ab,ti. not candoluminescent.ab,ti.	US-PGPUB;	i, i
	!	!		EPO; JPO;	ļ
1	1	i		DERWENT;	1
! _	į	1 i	6268685.pn. and (cylind\$7)	IBM_TDB USPAT;	2003/07/07 16:43
		- 1	0200003.pm. and (cylind)//	US-PGPUB;	2003/07/07 10:43
ı	ļ		1	EPO; JPO;	:
į		!	!	IBM TDB	1
-	I	1)	6268685.pn. and (heat)	USPAT;	2003/07/07 16:43
1	1	:		US-PGPUB;	ļ
	•	1		EPO; JPO;	1
1	1		CO CO CO E	IBM_TDB	
	i	1 :	6268685.pn. and (heat\$5) same mantle	USPAT;	2003/07/07 16:54
!	!	1		US-PGPUB;	
i	į.	,		i EPO; JPO; IBM TDB	
_		1	6268685.pn. and tungsten	USPAT;	2003/07/07 17:01
	1	<u>.</u>		US-PGPUB;	2003/01/01 11:01
i	Į.			EPO; JPO;	
1	1	1		IBM TDB	1 ;
j -	Į.	1	6268685.pn. and ("15" "32")	'USPAT;	; 2003/07/07 17:05 ;
:	:			US-PGPUB;	İ
1	i	İ		EPO; JPO;	
		_ '	'	IBM_TDB	1 /
i -			6268685.pn. and ("15" "32") same	USPAT;	2003/07/07 17:06
	ļ		dielectric	US-PGPUB;	: i
	1	ı		EPO; JPO;	1
_	!	1 !	 6268685.pn. and gas	USPAT;	2003/07/07 17:08 :
	,	_	ozoooos.pn. ana gas	· US-PGPUB;	2003/01/01 11:00
ļ	!	I		EPO; JPO;	!
	;			IBM TDB	:
-		1 ^j	6268685.pn. and (inert rare halogen)	USPAT;	2003/07/07 17:11
				US-PGPUB;	
į	I	Ţ		EPO; JPO;	į
		, ,	1.6060605	IBM_TDB	
į -	ļ	1 1	6268685.pn. and fill	USPAT; US-PGPUB;	2003/07/07 17:12
i	1	i		EPO; JPO;	I
'				IBM TDB	1
I -	i	1 1	6268685.pn. and (coat coating coated)	USPAT;	2003/07/07 17:12
			l	US-PGPUB;	i
	ļ	l		EPO; JPO;	1
	1	i		IBM_TDB	i i
-	ı		6018216.pn. and carbide	USPAT	2003/07/07 17:49
, -	1	11	313/\$ and (rhenium niobium tantalum	i USPAT	2003/07/07 17:37
	1	ı	zirconium) adj carbide and lamp and		1
İ	i		incandescent	i HCDAM	1 2002/07/07 10:00
i	1	32 _I		USPAT	2003/07/07 18:00
:	1	ı	zirconium) adj carbide and lamp and (heating heater heat)		1
1_	1	24	(313/\$ and (rhenium niobium tantalum	USPAT	1 2003/07/07 17:39
1	1	- 1	zirconium) adj carbide and lamp and	1	2000/01/07 17:37
ı	}		(heating heater heat)) not (313/\$ and	!	1
i		l	(rhenium niobium tantalum zirconium) adj	1	i i
	l	1	carbide and lamp and incandescent)	1	j I
-	1	0 '	("dielectric adj multilayer adj3 (coat	USPAT;	2003/07/07 17:40
	1	1	coating) and bulb").PN.	US-PGPUB;	1
1	1	,		EPO; JPO;	1
1		i		DERWENT;	
:	ı	o i	diologica add multilanes adda (acce	IBM_TDB	2002/07/07 17:45
i _	į	3 !	dielectric adj multilayer adj3 (coat coating) and bulb	USPAT;	2003/07/07 17:45
ı			Coacing, and build	US-PGPUB; EPO; JPO;	
•	I			DERWENT;	
İ	l	l		IBM TDB	1
	_ ÷	*			<u></u>

7 -	1 12 727 .127	3 			
' -	1240	7 (313/113).ccls.	USPAT;	2003/07/07	17:42
i		İ	US-PGPUB;		
	T.	1	EPO; JPO; DERWENT;		
!	•		IBM TDB		
۱ -	29	((313/113).CCLS.) and multilayer	USPAT;	2003/07/07	17:43
:			US-PGPUB;		
į		ı	EPO; JPO;		1
			DERWENT;	1	!
: _	. 25	((313/113).CCLS.) and multilayer same	IBM_TDB USPAT;	2003/07/07	17.45
	į 23	(reflect\$5 mirror\$4)	US-PGPUB;	2.003/01/01	17.43
į	•	, , , , , , , , , , , , , ,	EPO; JPO;	i	
		I	DERWENT;	1	
ĺ			: IBM_TDB	İ	;
' -	į 26	dielectric near3 multilayer adj3 (coat	USPAT;	2003/07/07	17:47
1		coating) and bulb	US-PGPUB;		
!	[EPO; JPO; DERWENT;	:	
i			IBM TDB		
, –	10	dielectric near3 multilayer adj3 (coat	USPAT;	2003/07/07	17:48 Ì
i		coating) and bulb and (lamp light near2	US-PGPUB;	i	
ļ	1	source).ab,ti.	EPO; JPO;		•
	ļ		DERWENT;		i
!_	1	dialactric nanza multilacen adia (anat	IBM_TDB	2002/07/07	12.40
: -	į	dielectric near3 multilayer adj3 (coat coating) same (enbelope bulb) and (lamp	USPAT; US-PGPUB;	2003/07/07	17:48
1	}	light near2 source).ab,ti.	EPO; JPO;		
1			DERWENT;		
		1	IBM TDB	•	i
-	' 1		USPAT	2003/07/07	
: -	; 97	313/\$ and (rhenium niobium tantalum	USPAT	2003/07/07	18:01
1	ļ	zirconium) and lamp and (heating heater		1	į
İ		heat) and (radiate radiation radiating) and tungsten with filament	•	i	
' <u>-</u>	1 27		USPAT	2003/07/07	18•21
1		zirconium) same (radiator radiate	081711	1 2003/01/01	10.21
İ		radiation radiating) and lamp and (heating			i
•		heater heat) and tungsten with filament		i	
j -	. 1	lamp.ab, ti. and filament with (coating	USPAT	2003/07/07	18:53
		coat).bi. with (tantalum rhenium niobium zirconium) near3 carbide	I	i	1
! _	i 1	lamp.ab,ti. and co adj generating adj	USPAT	2003/07/07	18.59
1	1	sources	OSTAT	i	10.55
! _	i 1.3	1	USPAT	2003/07/07	18:53
i	1	"4160929" "4229066" "4346324"	İ		i
'	i	' "4366407" "4532073" "4535269"	•	İ	
1	;	"4539505" "4588923" "4652789"	i	•	:
' <u>-</u>	1 19	'"4663557").PN. lamp.ab,ti. and ((indancescent adj	USPAT	: 2003/07/07	10.05
i	. 19	radiator) (refractory adj oxide)) and	!	2003/01/01	19.00
:	İ	(filament filamentary)	!		
	. 1	lamp.ab,ti. and ((indancescent adj	USPAT;	12003/07/07	19:06
:	1	radiator) (refractory adj oxide)) with	EPO; JPO;	•	:
i	.	radiator and (filament filamentary)	IBM_TDB	0000 (07 (67	10.00
. –	! 1	4016446.pn.	USPAT;	2003/07/07	19:08
i	1		EPO; JPO; IBM TDB	i	
_	9	4016446.URPN.	USPAT	2003/07/07	19:06
i -	1	4366407.pn.	USPAT	2003/07/07	
! –	' 1	4942331.pn.	USPAT	2003/07/07	
i -	1897		USPAT	2003/07/07	19:14
	0.15	mirror\$4)	Lyanza	i 0000 (05 (6=	10.1.
-	215	(lamp light adj source).ti,ab. and	USPAT	2003/07/07	19:14
	į	multilayer with dielectric same (reflect\$5 mirror\$4)	<u>į</u>	i	i
! _	! 7	(lamp light adj source).ti,ab. and	USPAT;	2003/07/07	19:15
i		multilayer with dielectric same (reflect\$5	EPO; JPO;	200,000,00	
	!	mirror\$4) same selective	_ IBM_TDB	Ĺ.	
	_ =	- -		_	

_		7	(lamp light adj source).ti,ab. and	USPAT;	2003/07/07	19:16
i	l		multilayer with dielectric with selective	EPO; JPO;	1	
1	:	. !		IBM_TDB		1
	!	3	(lamp light adj source).ti,ab. and	USPAT;	2003/07/07	19:16
1	i	ĺ	multilayer with dielectric same selective not ((lamp light adj source).ti,ab. and	! EPO; JPO;		ļ
	1		multilayer with dielectric with selective)	IBM_TDB		
i _	1	1 !	(lamp light adj source).ti,ab. and	USPAT;	2003/07/07	19:16
			multilayer with oxide same selective not	EPO; JPO;		13.10
1	1	-	((lamp light adj source).ti,ab. and	IBM TDB	1	;
			multilayer with dielectric with selective)	· —	:	
! -	I		(lamp light adj source).ti,ab. and	USPAT;	2003/07/07	19:18 i
	l	i	multilayer same selective not ((lamp light	EPO; JPO;	i	i
!	1		adj source).ti,ab. and multilayer with dielectric with selective)	IBM_TDB		ļ
1 -		1	(lamp light adj source).ti,ab. and titania	USPAT;	2003/07/07	19.18
		_	near5 silica near5 dichroic near5	EPO; JPO;	2003/07/07	17.10
1	1	I	reflector	IBM TDB		ļ
; -		154,	(lamp light adj source).ti,ab. and titania	· USPAT;	2003/07/07	19:19
i			near5 silica	EPO; JPO;	į	i
1		_ 1		IBM_TDB		
i -	1	1	(lamp light adj source).ti,ab. and titania	USPAT;	2003/07/07	19:19:
+			near5 silica same selective	EPO; JPO;	i	
1 -		18	(lamp light adj source).ti,ab. and titania	! IBM_TDB . USPAT;	2002/07/07	10-20
ļ		10	near5 silica near5 (mirror\$5 reflect\$5)	EPO; JPO;	2003/07/07	19:20
1		!	orriod mates (military) leftectes)	IBM TDB	-	i
١ –		8	(lamp light adj source).ti,ab. and titania	USPAT;	2003/07/07	19:57
		ļ	near5 silica near5 (mirror\$5 reflect\$5)	EPO; JPO;		
!	į.		and filament	IBM_TDB	İ	
		1	4196368.pn.	USPAT;	2003/07/07	20:00
i	į			EPO; JPO;	1	
		1	4196368.pn. and qas	IBM TDB	2002/07/02	20.02
ļ	ļ	1.	4190300.pii. and yas	USPAT; EPO; JPO;	2003/07/07	20:03
		ļ		IBM TDB	:	i
١ _	İ	0	4196368.URPN.	USPAT	2003/07/07	20:03
		5 İ	tantalum adj carbide and tungsten same	USPAT;	2003/07/07	
Į	1		filament and halogen same (bromide iodide)	EPO; JPO;		
		_		IBM_TDB	1	!
! -			(rhenium niobium tantalum zirconium) near3	USPAT;	2003/07/07	20:13
1	ı	1	carbide and tungsten same filament and	EPO; JPO;		1
! _	!	٦ i	halogen same (bromide iodide) ("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	IBM_TDB !USPAT;	2003/07/07	20.12
ļ.	į	۱	O.sub.2" "Y.sub.2 O.sub.3"	EPO; JPO;	1	20.12
		!) and tungsten same filament and halogen	IBM TDB		1
ļ	I		same (bromide iodide)			İ
, -	1	8	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/07	20:12
	'		O.sub.2" "Y.sub.2 O.sub.3"	EPO; JPO;		ì
I	I	ı) and tungsten same filament and (halide	! IBM_TDB	•	:
	ı	54 !	halogen halogenated) same (bromide iodide) ("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/07	20.12
İ	ļ	J-11 '	O.sub.2" "Y.sub.2 O.sub.3" carbide	EPO; JPO;	2003/07/07	20:12
	1	i) and tungsten same filament and (halide	IBM TDB		
1	ı		halogen halogenated) same (bromide iodide)	1212.5		1
, -	l	10 !	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/07	20:14
:	ı	ļ	O.sub.2" "Y.sub.2 O.sub.3" carbide	EPO; JPO;	1	!
İ	,	1) same tungsten same filament and (halide	!IBM_TDB		ļ
	1		halogen halogenated) same (bromide iodide)			
1	I	+	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r O.sub.2" "Y.sub.2 O.sub.3" (rhenium	USPAT;	1 2003/07/07	∠0:14
!	:	1	niobium tantalum zirconium) near3 carbide	EPO; JPO; IBM TDB	I	i
i i) same tungsten same filament and (halide	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	:
!	ļ.) same cundsten same illament and that the			
! !	!	1	halogen halogenated) same (bromide iodide)	\	İ	1
!	!	1 ,	halogen halogenated) same (bromide iodide) ("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/07	20:15
!	! ! !	1	halogen halogenated) same (bromide iodide) ("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r O.sub.2" "Y.sub.2 O.sub.3" (rhenium	EPO; JPO;	2003/07/07	20:15
! ! ! !	! ! !	1	halogen halogenated) same (bromide iodide) ("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r O.sub.2" "Y.sub.2 O.sub.3" (rhenium niobium tantalum zirconium) near3 carbide		2003/07/07	20:15
! ! ! !	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	1 !	halogen halogenated) same (bromide iodide) ("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r O.sub.2" "Y.sub.2 O.sub.3" (rhenium niobium tantalum zirconium) near3 carbide "TaC"	EPO; JPO;	2003/07/07	20:15
: ! ! - !	! ! !	1 !	halogen halogenated) same (bromide iodide) ("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r O.sub.2" "Y.sub.2 O.sub.3" (rhenium niobium tantalum zirconium) near3 carbide	EPO; JPO;	2003/07/07 	20:15

•				
-	3	("Tho.sub.2" "Nio" "Ceo.sub.2" "Z.sub.r" O.sub.2" "Y.sub.2 O.sub.3" (rhenium	USPAT; EPO; JPO;	2003/07/07 20:16
İ	:	niobium tantalum zirconium) near3 carbide	IBM TDB	į.
1	!	"TaC"		ļ
1	İ) same tungsten same filament and (bromide iodide)	İ	:
; -	: 27	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/08 10:36
1		O.sub.2" "Y.sub.2 O.sub.3" (rhenium	EPO; JPO;	i i
İ		niobium tantalum zirconium) near3 carbide	IBM_TDB	
I) and tungsten same filament and (bromide		
1		iodide)	1	0000 (00 (00 00 00
-	. 8 İ	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r O.sub.2" "Y.sub.2 O.sub.3" (rhenium	USPAT; EPO; JPO;	2003/07/07 20:17
	ļ	niobium tantalum zirconium) near3 carbide	IBM TDB	
i		"TaC"		1
!	İ)) and tungsten same filament and (bromide iodide) same gas	ļ	ì
-	9	313/\$ and (halogen adj gas) with (bromide	USPAT	2003/07/08 10:30
İ	3.5	iodide)		0000 (07 (00 11 00
	! 35	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r O.sub.2" "Y.sub.2 O.sub.3" (rhenium	USPAT; EPO; JPO;	2003/07/08 11:33
i	i	niobium tantalum zirconium) near3 carbide	IBM_TDB	· ì
1	!	"Tac"	_	
) and tungsten with filament and (bromide brownine iodine iodide) 		
j -	1	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/08 10:41
:	i	O.sub.2" "Y.sub.2 O.sub.3" (rhenium	EPO; JPO;	
:	: I	niobium tantalum zirconium) near3 carbide "TaC"	IBM_TDB	
) same (radiat\$5) and tungsten with		
:		filament and (bromide bromine lodine lodide)	1	
, -	i o	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/08 11:12
j		O.sub.2" "Y.sub.2 O.sub.3" (rhenium	EPO; JPO;	
·		niobium tantalum zirconium) near3 carbide "TaC"	IBM_TDB	
ı	j) same (radiat\$5) and tungsten with	1	·
I		filament and (bromide bromine iodine	:	
i _		! iodide) with gas 5493167.pn. and filament	USPAT;	2003/07/08 11:25
	i		EPO; JPO;	2.003701700 11.23
			IBM_TDB	
i	. <u>1</u>	6018216.pn. and (bulb envelope)	USPAT; EPO; JPO;	2003/07/08 12:14
ļ	ı		IBM TDB	
_	1	4196368.pn. and (gas)	USPAT;	2003/07/08 11:32
1	i	:	EPO; JPO; IBM TDB	i
; -	97	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPĀT;	2003/07/08 11:33
1	į	O.sub.2" "Y.sub.2 O.sub.3" (rhenium	EPO; JPO;	
İ	!	niobium tantalum zirconium) near3 carbide "TaC"	IBM_TDB	
:	i İ) and tungsten and filament and (bromide		į
i _	21	bromine iodine iodide) ("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/08 11:34
; –		O.sub.2" "Y.sub.2 O.sub.3" (rhenium	EPO; JPO;	2003/07/00 11.34
ļ		niobium tantalum zirconium) near3 carbide	IBM_TDB	
	İ	"TaC") and tungsten and filament and (bromide	1	
İ	:	bromine iodine iodide) with gas	1	
- i] 3	("Tho.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/08 11:36
İ	İ	O.sub.2" "Y.sub.2 O.sub.3" (rhenium niobium tantalum zirconium) near3 carbide	! EPO; JPO; IBM TDB	
!		"TaC"		i I
i	!) with (coat\$4 shield layer\$3) and	:	
!	İ	tungsten and filament and (bromide bromine iodine iodide) with gas	1	i
	L		·· – –	

: -		("Tho.sub.2" "NiO" "Ceo.sub.2" "Z.sub.r	USPAT;	2003/07/08 12:15
l	1	O.sub.2" "Y.sub.2 O.sub.3" (rhenium	EPO; JPO;	. j
	•	niobium tantalum zirconium) near3 carbide	IBM_TDB	1
; 1	ļ	"TaC"	. –	1
ļ	i) with (coat\$4 shield layer\$3) and		'
1	ţ	tungsten and filament and (bromide bromine	•	
		iodine iodide) with (gas gaseous)		1 0000 (00) (00 10 07
j -	. 1	4176293.pn.	USPAT;	2003/07/08 12:01
	ļ		EPO; JPO;	1
!	i 1	6018216.pn. and (series)	IBM_TDB USPAT;	2003/07/08 12:15
l	į ±	outozio.pm. and (series)	EPO; JPO;	2003/07/00 12:15
I	1		IBM TDB	i .
1 -	' 0	6268685.pn. and series	USPAT;	2003/07/08 12:15
1	į	į	EPO; JPO;	
1	;		IBM_TDB	·
· -	1	6268685.pn.	USPAT;	2003/07/08 12:15 '
i			EPO; JPO;	·
			IBM_TDB	
i -	58	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/08 12:17
	ļ	O.sub.2" "Y.sub.2 O.sub.3" (rhenium niobium tantalum zirconium) near3 carbide	EPO; JPO;	·
ì	i	"TaC"	'IBM_TDB	1
	!) with (coat\$4 shield layer\$3) and	I	į.
1	I	tungsten and filament and series	1	į.
' -	! 7	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r	USPAT;	2003/07/08 12:20
1	1	O.sub.2" "Y.sub.2 O.sub.3" (rhenium	EPO; JPO;	
!		niobium tantalum zirconium) near3 carbide	IBM TDB	
1	1	TaC"	 i	
	i ·) with (coat\$4 shield layer\$3) and		
		tungsten and filament same series		
-	3	("ThO.sub.2" "NiO" "CeO.sub.2" "Z.sub.r		2003/07/08 12:48
		O.sub.2" "Y.sub.2 O.sub.3" (rhenium	EPO; JPO;	1
1	1	niobium tantalum zirconium) near3 carbide	'IBM_TDB	ļ.
!		"TaC") with (coat\$4 shield layer\$3) and	i	
i i	į	filament same series and incandesc\$6	I	i i
' -	46	sintering with (zirconium calcium) near3	USPAT;	2003/07/08 12:53
1	1	salt	EPO; JPO;	i
	1	!	IBM TDB	
1 ~	1	4532073.pn.	USPĀT;	2003/07/08 13:02
1		!	EPO; JPO;	
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! -	1	6268685.pn.	USPAT;	2003/07/08 13:02
	i		EPO; JPO;	i
I _	' 1	6268685.pn. and (rhenium tantalum	IBM_TDB USPAT;	2003/07/08 13:02
1		zirconium niobium)	EPO; JPO;	2003/07/00 13:02
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l _	1	6066861.pn.	USPAT;	2003/10/03 10:21
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į	I		EPO; JPO;	į.
1	i	I	IBM_TDB	j i
-	9	(US-4176293-\$ or US-4539505-\$ or	USPĀT;	2003/10/03 21:00
į		US-5051648-\$ or US-4032809-\$ or	US-PGPUB	1
		US-4703220-\$ or US-6018216-\$ or	1	
]	!	US-6268685-\$ or US-6469426-\$).did. or (US-20020057058-\$).did.		i i
١ -	1 10	(US-1910778-\$ or US-1749136-\$ or	USOCR	2003/10/03 21:00
i -	1 19	US-1559381-\$ or US-0844213-\$ or	. 00001	;
1	t	US-2007926-\$ or US-2007945-\$ or	I	1
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İ		US-1252372-\$ or US-1406645-\$ or	1	
i		US-2671873-\$ or US-2780746-\$ or	1	
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į	1	US-2121589-\$ or US-2170683-\$ or	1	1
_		US-2714 <u>683-\$</u>).did	L	 ''

í	· 4	((US-4176293-\$ or US-4539505-\$ or	USPAT;	2003/10/03 21:00 !
1	i	US-5051648-\$ or US-4032809-\$ or	US-PGPUB;	I .
	1	US-4703220-\$ or US-6018216-\$ or	EPO; JPO;	
į	!	US-6268685-\$ or US-6469426-\$).did. or	DERWENT;	1
1		(US-20020057058-\$).did.) and series	IBM TDB	ļ
' _		(US-5051648-\$ or US-6469426-\$ or	USPĀT;	: 2003/10/04 12:40
1		US-6268685-\$ or US-6018216-\$ or	US-PGPUB	
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1		(US-20020057058-\$).did.) and halogen	IBM TDB	
	, 6	arnold-jorg.in.	USPAT;	2003/10/04 17:06
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1 _	! E 4 ^	1//212/5001 05 /212/62511 0010	IBM_TDB	: 2003/10/04 17:38 i
	1 540	! ((313/580) or (313/635)).CCLS.	USPAT;	12003/10/04 1/:38
	1545	1 //212/15) - /212/215) - /212/7520)	US-PGPUB	10003/10/01 10 01
- I	1547	((313/15) or (313/315) or (313/578)).CCLS.	USPAT;	2003/10/04 18:04
1		, m, cg , , , com,,	US-PGPUB	
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i	1	1	US-PGPUB	
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ļ	İ	(313/578)).CCLS.)	EPO; JPO;	:
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Į.	T		IBM TDB	
	j 1216	((313/315) or (313/578)).CCLS.	USPĀT;	2003/10/04 18:06
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	į	4196368.pn.	US-PGPUB; EPO; JPO;	:
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_ i	ļ	3 (6268685.pn. 6018216.pn. 5493167.pn. 4196368.pn.) and halogen	USPAT; US-PGPUB;	2003/10/04 18:17
•	1	all malogen	EPO; JPO;	
ı		2. (6060605 6010016 77 5400167	IBM_TDB	
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